

Title (en)
SUBMICRON RESOLUTION SPECTRAL-DOMAIN OPTICAL COHERENCE TOMOGRAPHY

Title (de)
OPTISCHE SPEKTRAL-DOMÄNEN-KOHÄRENZTOMOGRAFIE MIT SUBMIKRONENAUFÖSUNG

Title (fr)
TOMOGRAPHIE À COHÉRENCE OPTIQUE DANS LE DOMAINE SPECTRAL À RÉOLUTION SUBMICRONIQUE

Publication
EP 2847572 A4 20160113 (EN)

Application
EP 13788380 A 20130508

Priority
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• US 2013040185 W 20130508

Abstract (en)
[origin: US2013301033A1] Apparatuses and systems for submicron resolution spectral-domain optical coherence tomography (OCT) are disclosed. The system may use white light sources having wavelengths within 400-1000 nanometers, and achieve resolution below 1 µm. The apparatus is aggregated into a unitary piece, and a user can connect the apparatus to a user provided controller and/or light source. The light source may be a supercontinuum source.

IPC 8 full level
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CPC (source: EP US)
G01B 9/02044 (2013.01 - EP US); **G01B 9/02051** (2013.01 - EP US); **G01B 9/02091** (2013.01 - EP US); **G01J 3/45** (2013.01 - US)

Citation (search report)
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• [A] IMRAN AKCA B ET AL: "Toward Spectral-Domain Optical Coherence Tomography on a Chip", IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 18, no. 3, 13 October 2011 (2011-10-13), pages 1223 - 1233, XP011454470, ISSN: 1077-260X, DOI: 10.1109/JSTQE.2011.2171674
• See references of WO 2013169934A1

Designated contracting state (EPC)
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